BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2018-19/OW/WORK_INDENT34188/CALL-2

APPROVED SCHEDULE - B

TF BBMP/E-PMT/01/2019-20, Date:25.04.2019

Kag 3, includes 7 works of Rs. 85.00 lakhs

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of B B UMESHA ( )		
				In Figures	Amount	In Words
1	2	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating the location of site, recommended depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cover full depth of acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work site, engaging technical personal and labour required etc.,(Page.no.48, item no.9.4) PRED SR 2012-13.	No	2016.0	4032.00	Rupees Two Thousand Sixteen Only
2	100	Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG na above 900 CFM and abaove in all strats including over burden upto 20M. fixing of casing pipes collars and cap with necessary, cutting and threading including transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield testing at the final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,) 0.00 to 50.00 mtrs	Rmtr	327.0	32700.00	Rupees Three Hundred Twenty Seven Only
3	100	50.00 to 100.00 mtr	Rmtr	429.0	42900.00	Rupees Four Hundred Twenty Nine Only
4	100	100.00 to 150.00 mtr	Rmtr	476.0	47600.00	Rupees Four Hundred Seventy Six Only
5	100	150.00 to 200.00 mtr	Rmtr	503.0	50300.00	Rupees Five Hundred Three Only
6	100	200.00 to 250.00 mtr	Rmtr	582.0	58200.00	Rupees Five Hundred Eighty Two Only
7	60	250.00 to 300.00 mtr	Rmtr	625.0	37500.00	Rupees Six Hundred Twenty Five Only
8	20	Additional Rate item no.9.1 is allowed for drilling in over burden and fixing casing pipes beyond 20 M (for fixinig casing pipes only (a) Above 20M upto 30 M -15% (b) Above 30M -30% 20.00 to 30.00 mtr	Rmtr	50.0	1000.00	Rupees Fifty Only
9	62	above 30.00 mtr	Rmtr	99.0	6138.00	Rupees Ninety Nine Only
10	152	Supplying of ISI Mark 175 mm nominal bore, Plain end steel casing pipe - grade of steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments. electric resistance welded steel tube material and confirming to IS 1387/1993 and cmanufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mtrs. Both ends threaded confirming to IS 554/1985. one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking. weighing 25.10kg/mtr. (Inclusive of all taxes and durties) Prices include collar-medium duty. (Page no.iii, Item No.84)PRED SR 2011-12	Mtr	1378.0	209456.00	Rupees One Thousand Three Hundred Seventy Eight Only

Signature of the contractor

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Executive Engineer

ed y.	Description	Unit	Approved Tender Rates of B B UMESHA ( )		
			In Figures	Amount	In Words
660	KSRB13.3.6: Providing and fixing in trenches galvanised / mild steel tubes (medium grade) nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.6 (Page no.92, item no.13.15)50mm dia PWD SR 2018-19	Rmtr	428.0	282480.00	Rupees Four Hundred Twenty Eight Only
8	Providing 175mm dia MS cap (PRED SR 12-13, page iii, item no.85)	Each	105.0	840.00	Rupees One Hundred Five Only
1495	Supply and drawing 3 core flat sheathed submersible pump cable manufactured with celectrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts as per 1x3x4 sqmm of 56 strands 0.3mm dia Group A (Page no.12, item no.2.10.3) PWD Elctriclal SR 2014-15 3Cx4.0Sqmm	Mtr	131.0	195845.00	Rupees One Hundred Thirty One Only
4	Atalanta, Suguna, CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5KV(20 stage) (Page No.XXXXII, Sl.No.21) KPWD SR-2018-19	Nos	51953.0	207812.00	Rupees Fifty One Thousand Nine Hundred Fifty Three Only
12	Supplying and fixing wiring earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia (page no.55, Sl.no.7.1) Electrical SR2014-15	Each	2836.0	34032.00	Rupees Two Thousand Eight Hundred Thirty Six Only
14	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15mm thick plank with front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts (P.No.44 SL.No.6.6.6) Electrical SR 2014-15	Each	315.0	4410.00	Rupees Three Hundred Fifteen Only
20	Supplying of 1.1 KV LTUG Cable having alluminium conductor PVC insulated extruded inner sheathed , galvanized, steel strip (except 2C X 10sq.mm wire armoured) confirming to IS-3975:1990(No.of Strip indicated in GTP) & extruded PVC outer sheathed armored cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm (Page no.55, Sl.no.7.4.4) Electrical SR2014-15	Mtr	146.0	2920.00	Rupees One Hundred Forty Six Only
20	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/on wall/on poles as required. In existing trench/duct. 6 sqmm to 16sqmm (Page no.61, Sl.no.7.8.1) Electrical SR2014-15	Mtr	11.0	220.00	Rupees Eleven Only
12	Supplying and fixing of procelin fuse channel with cutouts on existing wooden/panel using necessary nuts, bolts and washers. 63Amps (Page no.44,Slno.6.7.3) Electrical SR 2014-15	Each	243.0	2916.00	Rupees Two Hundred Forty Three Only
14	Providing and fixing in position 50mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(Page no.95, Item no.13.62) KPWD SR 2018-19	Nos	1399.0	19586.00	Rupees One Thousand Three Hundred Ninety Nine Only
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40-63Amps TPN (Page no.47 Sl.No.6.16.6) Electrical SR2014-15	Each	2013.0	24156.00	Rupees Two Thousand Thirteen Only
75.24	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Cement concrete road including cost of materials, labour, HOM complete as per specifications.(Pg.no.269, item no.37.40)PWD SR-18-19	Cum	756.0	56881.44	Rupees Seven Hundred Fifty Six Only

Signature of the contractor

Executive Engineer

ved y.		Description	Unit	Approved Tender Rates of B B UMESHA ( )		
				In Figures	Amount	In Words
23	310.07	KSRB 2-2.2 : Earthwork excavation by manual means in hard soil for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications..(page no.6, item no.2.4) PWD SR 2018-19	Cum	495.0	153484.65	Rupees Four Hundred Ninety Five Only
24	836	Supplying PVC ring tight pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite rolling and lowering into trenches laying true line and level and perfect linking at joints testing and commissioning including loading and unloading at both destination and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approval type with all labour with all lead and lift including encasing the pipe alround to a depth of not less than 15 cms with soft gravel or selected earth available from the excavation etc., compelte and giving necessary hydraluic test to the required pressure as per IS (Contractor will make his own arrangement for procuring water for testing) (Page no.53, Item no.1(3) BWSSB SR-2014-15)	Mtr	76.0	63536.00	Rupees Seventy Six Only
25	150.48	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.(Page No.7,Item No. 2.11) KPWD SR-2018-19	Cum	134.0	20164.32	Rupees One Hundred Thirty Four Only
26	75.24	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2.(P-13, I-4.3)	Cum	5625.0	423225.00	Rupees Five Thousand Six Hundred Twenty Five Only
27	50.16	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (page no.13 , I,no-4.6)	Cmtr	5978.0	299856.48	Rupees Five Thousand Nine Hundred Seventy Eight Only
28	72	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) (Page No.98, Item No. 13.85.2)20mm nominal OD pipes KPWD SR 2018-19	Rmt	174.0	12528.00	Rupees One Hundred Seventy Four Only
29	60	KSRB13-6.1 : Providing and fixing in position brass bib cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (Page No.93, Item No. 13.23) KPWD SR 2018-19 15mm dia nominal bore	Each	210.0	12600.00	Rupees Two Hundred Ten Only

Signature of the contractor

Executive Engineer

ved y.		Description	Unit	Approved Tender Rates of B B UMESHA ( )		
				In Figures	Amount	In Words
0	6.48	KSRB 6-1.3 : Providing and constructing burnt brick masonry for basement and superstructure with approved quality of non-modular bricks of standard size of class designation 3.5Newton per sqm with cement mortar including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2(Page No.29, Item No. 6.3) with cement mortar 1:6 KPWD SR 2018-19	Cum	6848.0	44375.04	Rupees Six Thousand Eight Hundred Forty Eight Only
31	86.4	KSRB15-3 : Providing 12mm thick cement plaster in single coat with cement mortar, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding,cost of materials, labour, curing etc., complete as per specification. (Page No.116, Item No. 15.21) cement mortar 1:3 KPWD SR 2018-19	Sqm	260.0	22464.00	Rupees Two Hundred Sixty Only
32	60	Lead for disposal of debris shall be payable at carrage rates by mechanical means including loading and unloading From 13.30 Kms	cmtr	95.0	5700.00	Rupees Ninety Five Only
33	10	Supplying ,installation ,Commissioning and Testing CP PLUS 3 MP , 50 meters ip bullet camera,1/3" 3MP PS CMOS Image Sensor,Max 25fps@3MP, 25/30fps@1080P,H.264, H.264H, H.264B , MJPEG dual-codec encoding,DWDR, Day/Night(ICR), 3DNR, ROI, AWB, AGC, BLC, HLC,3.6mm fixed lens (6mm optional),IR Range of 50 Mtrs, IP67, SD Card, PoE,Mobile Software: iCMOB, gCMOB,CMS Software: KVMS Pro, vOptimus Pro inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	23046.0	230460.00	Rupees Twenty Three Thousand Forty Six Only
34	1	Supplying ,installation ,Commissioning and Testing CP PLUS 32 Ch. H.265 4K Network Video Recorder Up to 32 channel IP camera input H.265/H.264 dual codec decoding Up to 8Mp resolution preview and playback Max 200Mbps incoming bandwidth Support 4 SATA HDDs up to 24TB, 2 USB(1 USB3.0) HDMI / VGA simultaneous video output Support Multi-brand network cameras ONVIF Version 2.4 conformance Mobile Software: iCMOB, gCMOB inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	68527.0	68527.00	Rupees Sixty Eight Thousand Five Hundred Twenty Seven Only
35	1	Supplying ,installation ,Commissioning and Testing Netgear ReadyNAS 4-Bay Diskless Network Attached Storage for Personal Cloud by Netgear inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	266676.0	266676.00	Rupees Two Hundred Sixty Six Thousand Six Hundred Seventy Six Only
36	1	Providing and Supplying NAS hard disk drives 6 TB inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	24805.0	24805.00	Rupees Twenty Four Thousand Eight Hundred Five Only
37	1	Supplying ,installation ,Commissioning and Testing D-Link 8-Port Gigabit Switch With 2 Combo SFP Ports inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	28600.0	28600.00	Rupees Twenty Eight Thousand Six Hundred Only
38	1	Providing and Fixing Media converter Giga Dlink inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	11648.0	11648.00	Rupees Eleven Thousand Six Hundred Forty Eight Only
39	2935	Providing and Fixing OFC cable single mode 6 core inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	m	172.0	504820.00	Rupees One Hundred Seventy Two Only
40	5	Providing and Fixing Electrical work for boxes for power supply, fixing PVC Boards with three pin socktes and switches with protection MCB and cabling to street light electrical poles as per the direction of Engineer in Charge	Nos	7800.0	39000.00	Rupees Seven Thousand Eight Hundred Only
41	4	Providing Cctv MS poles with camera fixing brackets, 5 to 6 mtr height Box inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	24440.0	97760.00	Rupees Twenty Four Thousand Four Hundred Forty Only
42	4	Providing and Fixing MS Boxes for Poles with rust proof powder coating Box inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	8840.0	35360.00	Rupees Eight Thousand Eight Hundred Forty Only

Signature of the contractor

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Executive Engineer

ed y.		Description	Unit	Approved Tender Rates of B B UMESHA ( )		
				In Figures	Amount	In Words
		Providing Internet charges connecting CCTV with IP Based for one month	Nos	3120.0	3120.00	Rupees Three Thousand One Hundred Twenty Only
44	1	Supplying ,installation ,Commissioning and Testing of 43" LED TV – Reputed make Sony/Samsung/LG inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	45760.0	45760.00	Rupees Forty Five Thousand Seven Hundred Sixty Only
45	1	Supplying ,installation ,Commissioning and Testing Server rack 15u Box inclusive of all taxes and transportation charges as per the direction of Engineer in Charge	Nos	35880.0	35880.00	Rupees Thirty Five Thousand Eight Hundred Eighty Only
46	2004	Consider 6 Loads / Day for 167 Days 6 X 165 = 1002 Loads x Rs. 443.37 = For 1 Load = 2660.20/6	Day	462.0	925848.00	Rupees Four Hundred Sixty Two Only
47	43.88	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.18 of CSR 2018-19)	Cum	727.0	31900.76	Rupees Seven Hundred Twenty Seven Only
48	195.48	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring,strutting, dewatering, etc. IN ALL KINDS OF SOIL MIXED WITH BOULDERS of 30 cms size, etc. for: Pipes of all dia. for depth upto 2.0 M in all types of soils(BWSSB SR 17-18, P.51, I No.1.1)	Cum	174.0	34013.52	Rupees One Hundred Seventy Four Only
49	187.2	Supplying, lowering, laying, jointing, testing and commissioning of Glazed Stone Ware Pipes of following dia, conforming to IS 651:1992,IS 4127 with latest amendments, including conveying to work site, caulking with hemp dipped in tar and jointing with CM 1:1.5 using OPC, perfect linking and curing for 10 days and testing with water etc. with all lead, lifts and as per Technical Specifications. The cost to include the cost of all jointing materials, necessary survey works for laying of sewer lines etc. complete. The contractor will make own arrangements for procuring water for testing. 230 mm dia. pipes(BWSSB SR 17-18, P.157 I.No 3.4)	m	544.0	101836.80	Rupees Five Hundred Forty Four Only
50	187.2	Labour charges for laying and jointing glazed stone ware pipes of 0.6m length and of specified dia., of tested quality conforming to IS 651 of 1965 including caulking with hemp yarn, jointing with CM 1:2 and testing with water etc. complete for: (Rate to include cost of jointing materials and transportation of pipes from store work site but excluding the cost of earth work) - Glazed Stone Ware pipe of 230 mm dia (P.No 159 I .No.7.3 BWSSB 2017-18)	Rmt	113.0	21153.60	Rupees One Hundred Thirteen Only

Signature of the contractor

Executive Engineer

ed	Description	Unit	Approved Tender Rates of B B UMESHA ( )		
			In Figures	Amount	In Words
51	50	Providing house connection with excavation in all types of soils without damaging the other utilities and supplying and laying 25 mm OD MDPE pipe (PE80) manufactured in accordance with ISO 4427 - 1996 with minimum required strength of 8 Mpa, hydraulic design stress of 6.3 Mpa and with minimum wall thickness of 2.3 mm by making the bore of 15 mm dia. size on the Board's supply mains of 100 mm dia. using drilling bits or machines only and laying the pipe line at a depth not less than 0.45 mtrs. from the road surface, including providing 40 mm dia. "A" class GI pipe as casing over the MDPE pipe from the bore point and upto the entrance of the premises and removing the stone slab covering of the drain and dismantling the size stone masonry wherever necessary and making bore in the wall of the premises. On entering the premises, connection should be continued with 20 mm GI pipe by making "U" shape for the meter point below the ground level by making pit with sufficient space for the easy installation and removal of the water meter and providing vertical stand pipes on both sides of the mater. The connection should be secured firmly on the Board's main pipe with SS / Brass . ferrule of size 1/2" x 3/4" and fixing the union joint and gate valve / stop cock before the meter point and a reflex valve / non-return valve should be fixed on the connection after the meter point. (All these fixtures should be of standard quality conforming to IS). The compression fittings for MDPE pipes conforming to ISO 14236 and its latest versions. The excavated trench should be refilled with soft selected earth and the dismantled masonry of the drain should be re-constructed with available size stones in CM 1:8 and providing coping in CC 1:3:6 wherever required and the stone slab covering should be refixed in position with pointing in CM 1:3 and also the bored wall of the premises should be re-done to the original position and the rates are inclusive of the cost of all	Cum	3702.0	185100.00	Rupees Three Thousand Seven Hundred Two Only
52	122.92	Refilling pipeline and foundation with selected trenches available earth form trench excavation and foundation inlcuding 5 watering, consolidation in layers of 15cms., thickness including disposing off the surplus earth with all leads & lifts.(BwsSB SR 2016-17, P-9 I-2)	Cum	65.0	7989.80	Rupees Sixty Five Only
53	25.19	KSRRB M400-6.1 : Construction of granular sub-base by providing close graded cushed stone aggregates of granite / trap / basalt material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method For Grading-II Material (BwsSB SR 2016-17, P-280 I-20.4)	Cum	1633.0	41135.27	Rupees One Thousand Six Hundred Thirty Three Only
54	33.59	Wet Mix Macadam, Providing.laying, spreading and compacting cushed stone aggregates of granite trap/basalt to wet mis macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of 4 mixed method of tipper to site, laying in uniform layers with paver in sub-base base course on well prepared surface and compacting with bratory roller to achieve the desired density complete as per specifications MORTH Specification No. 406 (BwssB SR 2016-17)	Cum	1735.0	58278.65	Rupees One Thousand Seven Hundred Thirty Five Only
55	10	Dismantling the damaged or collapsed manhole of 4" dia conical in shape and reconstructing the same with machine made wire 6 brick in CM (1:4) as per design and specification of new cut manhole 4" dia with old frame and cover excluding bed concrete 13.6 (RwssR SR 2016-17, P-97, I-92 MTR DEPTH	Nos	7652.0	76520.00	Rupees Seven Thousand Six Hundred Fifty Two Only

Signature of the contractor

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Executive Engineer

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ed	Description	Unit	Approved Tender Rates of B B UMESHA ( )		
			In Figures	Amount	In Words
56	1	Providing and constructing "wire cut brick manhole chambers" using sulphate resistant cement, conical in shape at top with C.C. 1:3:6 foundation using 40 mm and down size graded metal of approved quality and with an offset of 0.15 m alround the chamber and brick masonry in C.M. 1:4 plaster with wire cut bricks of approved quality and CM plaster 1:3 proportion 12 mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1:6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 graded metal of 20 mm and down size including conveying to work spot supplying & fixing SFRC manhole frame and cover confirming to IS:12592 with latest amendments in CC 1:2:4, supplying and fixing of minimum 3 mm thick encapsulated plastic footsteps (as per IS 10910) on 12 mm dia, Grade Fe-415 steel bar (as per IS 1786) staggered at 30 cms apart as detailed in Technical Specifications and as directed, watering, curring, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, dewatering, engraving manhole No. with flow irection on the inner conical surface etc., as per the drawing with wire cut bricks as per technical pecifications for the following diameters & depths by using Ordinary Port Land Cement. (inclusive of earthwork for all types of soil) (BwsSB SR 2017-18, P-80 I-83) For 1.0 m depth	No	16333.0	16333.00	Rupees Sixteen Thousand Three Hundred Thirty Three Only
57	7	For 1.5 m depth	No	22338.0	156366.00	Rupees Twenty Two Thousand Three Hundred Thirty Eight Only
58	2	For 3 m depth	No	43414.0	86828.00	Rupees Forty Three Thousand Four Hundred Fourteen Only
59	72.56	Disposong off the excess excavated earth of all type up to a distance mentioned Every Km beyond 5 KM 8 Considering 10 Km below by vehicle including loading unloading with all lifts labour HOM of machinery etc., complete (BWSSB SR 2016-17, Pg-10, Item-7)	Cum	153.0	11101.68	Rupees One Hundred Fifty Three Only
60	15	Hire Charges for 2HP dewatering pump to bail out water at leaking pits inclusive of hire charges etc, complete Rs.1300/- per day of 8hours shift per day (BWSSB SR 16-17 Sl.No-4, P-34)	Days	1352.0	20280.00	Rupees One Thousand Three Hundred Fifty Two Only
61	116.33	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) Item No 22.6.1	Cum	5419.0	630392.27	Rupees Five Thousand Four Hundred Nineteen Only

Signature of the contractor

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Executive Engineer

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ed y.	Description	Unit	Approved Tender Rates of B B UMESHA ( )		
			In Figures	Amount	In Words
	21[illegible].84 KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-143)	Cum	262.0	55240.08	Rupees Two Hundred Sixty Two Only
63	26.81 KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-13,I No-4.2)	Cum	5725.0	153487.25	Rupees Five Thousand Seven Hundred Twenty Five Only
64	484.8 KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(I No-4.31,P No-16)	Sqm	395.0	191496.00	Rupees Three Hundred Ninety Five Only
65	63.63 KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.0.69cum and fine aggregtes @ 0.460cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-14)	Cum	6238.0	396923.94	Rupees Six Thousand Two Hundred Thirty Eight Only
66	3.18 KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-18)	Tonne	78232.0	248777.76	Rupees Seventy Eight Thousand Two Hundred Thirty Two Only
67	190.8 Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	1947.0	371487.60	Rupees One Thousand Nine Hundred Forty Seven Only
68	4.54 KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(P.No.25, I.No.5.6 of PW, P&IWTD S.R 2018-19)	Cum	5066.0	22999.64	Rupees Five Thousand Sixty Six Only
69	7.56 KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.115, I.No.15.1 of PW, P&IWTD S.R 2018-19)	Sqm	155.0	1171.80	Rupees One Hundred Fifty Five Only

Signature of the contractor

Executive Engineer

ved y.		Description	Unit	Approved Tender Rates of B B UMESHA ( )		
				In Figures	Amount	In Words
70	3.04	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.43 cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.(P.No.13, I.No. 4.5 of PWD SR 2018-19)	Cum	5873.0	17853.92	Rupees Five Thousand Eight Hundred Seventy Three Only
71	2.29	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications, (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305 (P.No.147, I.No.19.60 of PW,P&IWTD S.R 2018-19)	Cum	359.0	822.11	Rupees Three Hundred Fifty Nine Only
72	10	Providing and making precast seating arrangement including excavation laying pcc M15, providing laying M20 concrete for pedestal and seating slab, fixing of seating slab including all necessary bolt and nuts etc, complete and as per the directions of Engineer in-Charge. (Data Rate)	Each	12256.0	122560.00	Rupees Twelve Thousand Two Hundred Fifty Six Only
73	10.08	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (P.No.27 I.No.5.27.1 of PW,P&IWTD SR of 2018-19)	Sqm	1005.0	10130.40	Rupees One Thousand Five Only
74	5.04	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P.No.116 I.No.15.17 of PW,P&IWTD SR of 2018-19)	Sqm	270.0	1360.80	Rupees Two Hundred Seventy Only
75	1659.9	Fabricating, supplying & erecting M.S. angular Truss for all spans as approved design and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification. (Page No. 43 Item No. 7.30 of CSR 2018-19).	kgs	140.0	232386.00	Rupees One Hundred Forty Only
76	34	Supplying and fixing new Mangalore tiles on existing reepers. (P.No.267, I.No.37.9 of PWD SR 2018-19)	Sqm	449.0	15266.00	Rupees Four Hundred Forty Nine Only
77	45.1	KSRRB M800-7. Painting:-Providing and applying two coats of ready- mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications. MORTH Specification No. 803 Painting on Steel Surface(P.No.181, I.No24.8.1 of PW,P&IWTD S.R 2018-19))	Sqm	80.0	3608.00	Rupees Eighty Only

Signature of the Contractor

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Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92

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